

ADMINISTRATIVE EXTENSION REPORT

प्रशासनिक विस्तार रिपोर्ट

COMB- 299/2954/2022

Month: December, 2022

COMMERCIAL TEST REPORT

व्यावसायिक परीक्षण रिपोर्ट

COMB- 227/2650/2021

Month: January, 2021

TEST REPORT IS VALID UPTO : 31st January, 2028



**DASMESH-7100 DLX
SELF PROPELLED COMBINE HARVESTER**



भारत सरकार

Government of India

कृषि एवं किसान कल्याण मंत्रालय

Ministry of Agriculture and Farmers Welfare

कृषि एवं किसान कल्याण विभाग

Department of Agriculture and Farmers Welfare

उत्तरी क्षेत्र कृषि मशीनरी प्रशिक्षण एवं परीक्षण संस्थान

Northern Region Farm Machinery Training and Testing Institute

ट्रैक्टर नगर, तिरसा रोड, हिसार, (हरियाणा) - 125 001

Tractor Nagar, Sirsa Road, Hisar (Haryana)-125 001

[ISO 9001:2015 CERTIFIED]

Website: <http://nrfmtti.gov.in/>

E-mail: fmti-nr@nic.in

Tele./FAX: 01662-276984

6. REDECLARATION

As per the option available in Amendment no. 3 September, 2022 to IS:15806-2018 Combine harvester recommendation on selected performance characteristics (First revision) applicable from 25th November, 2022, the manufacturer has redeclared the following parameters

Sr. No.	Parameters	Previous sample	Present sample
1	Max. Power (absolute)- Average max. power observed during 2 hrs. max. power test in natural ambient condition, kW	60.0	62.0
2	Power at rated engine speed, kW (under natural ambient condition)	60.0	62.0
3	Max. Crank shaft torque, (Nm) observed during the test after no load engine speed is adjusted as per manufacturer's recommendation for field work	300	330

7. SELECTED PERFORMANCE AND OTHER CHARACTERISTICS AS PER IS: 15806-2008 (Complete evaluation including originally tested sample and sample inspected/tested for administrative extension)

S. No	Characteristics	Category (Evaluative/ Non evaluative)	Requirement (R)/ Declaration (D)	Tolerance	Observed	Remark
1	2	3	4	5	6	7
I.	Prime mover performance					
a)	Max. Power (absolute) Average max. power observed during 2 hrs. max. power test in natural ambient condition, kW	Evaluative	62.0	±5% of declared value	62.9	Conforms
b)	Max. power during field test after adjusting the no load engine speed as per recommendation of the manufacturer for field work, kW	Evaluative	54.0	±5% of declared value	54.4	Conforms


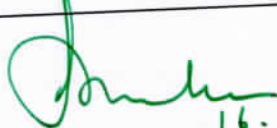


c)	Power at rated engine speed, kW (under natural ambient condition)	Evaluative	62.0	±5% of declared value	62.0	Conforms
d)	Specific fuel consumption corresponding to average maximum power under 2h maximum power test, g/kWh	Evaluative	245	±5% of declared value	242.1	Conforms
e)	Max. smoke density at 80% load between the speed at max. power & 55% of speed at max. or 1000 rpm whichever is higher	Evaluative	As per CMVR rule requirement which are as below - For tractor :- 5.2 bosch no. or 75 hartridge For engine :- Free declaration or natural aspirated or turbo charged - 65 hartridge	Nil	1.4m ⁻¹	Conforms
f)	Max. Crank shaft torque, (Nm) observed during the test after no load engine speed is adjusted as per manufacturer's recommendation for field work	Evaluative	330	±8% of declared value	355.7	Conforms
g)	Back torque, %	Evaluative	7% min.	Nil	21.21	Conforms
h)	Max. Operating temperature, °C i) Engine oil ii) Coolant	Evaluative	130 95	Should not exceed the declared value	86 89	Conforms
i)	Lubrication oil consumption, g/kWh	Evaluative	Not exceeding 1 % of SFC at maximum power (high ambient)	Nil	0.21	Conforms
j)	Labelling of controls and gauges and operating controls	Evaluative	Essential	--	Provided	Conforms

8. SUMMARY OF OBSERVATIONS, COMMENTS AND RECOMMENDATIONS

- 8.1 The applicant has redeclared the maximum power, maximum crank shaft torque and the rated power of the prime mover **Ashok Leyand, ALHT4CTIC3**. Labelling of controls and gauges and all operating controls have also been provided. Hence, eligible for Administrative Extension as per provisions laid down in IS:15806-2018.
- 8.2 The effect of the modifications on performance has been examined and considered that, the modifications are not going to affect the results of the original test. The original test report, therefore, applies also to the modified combine harvester.

TESTING AUTHORITY

Er. SANJAY KUMAR AGRICULTURAL ENGINEER	
Dr. MUKESH JAIN DIRECTOR	 16.12.2022

The draft test report is compiled by: Er. Sunil Kumar Patil, Senior Technical Assistant

9. APPLICANT'S COMMENTS

No specific comments received from the applicant.

